

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S193	3860	(cobalt or co) with (ruthenium or ru) with (sulfide or s)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:31
S194	71	S193 and (electrocatalyst or electrocatalytic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:36
S192	48	S191 and (electrocatalyst or electrocatalytic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:36
S197	414	cobalt with (ruthenium or ru) with sulfide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:42
S196	40	cobalt with (ruthenium or ru) with "carbon black"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:42
S191	410	(cobalt or co) same (ruthenium or ru) same "carbon black"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:42
S198	6	S196 and S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:43
S199	6	("mixed sulfide" or "mixed sulphide" or "mixed metal sulfide" or "mixed metal sulphide") same cobalt same (ruthenium or ru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:44
S200	27	("4007135"   "4108761"   "4171258"   "4491639"   "4595672"   "4740491"   "4824820"   "4945078"   "5122258"   "5173468"   "5525740"   "5736483"   "5854167"   "5905053").PN. OR ("6149799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/13 13:45

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S19 5	36	S194 and "carbon black"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:48
S20 2	8	("20050009696"   "2838375"   "4024079"   "4513094"   "4956331"   "6358381"   "6855660").PN. OR ("6967185"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/13 13:49
S20 1	6	S192 and ((cobalt or ruthenium) with (sulfide or sulphide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/13 13:49
S20 3	10	((("5166362") or ("5051389") or ("6649300") or ("3840389")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/13 13:52
S16 4	6	((("6967185") or ("3770613")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/13 13:52
S20 5	10	("2440671"   "2694075"   "3822289"   "3939179"   "4143052").PN. OR ("5166362"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/13 14:04
S20 4	2	("5166362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/13 14:04
S1	74	ruthenium adj sulfide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/13 14:04
L1	414	(sulfide or sulphide) with (ruthenium or ru) with cobalt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:21
L2	40	1 and "carbon black"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:27

## EAST Search History

L5	1096	Co\$1Ru\$1s	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:28
L4	0	"cobalt ruthenium sulfide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:28
L3	0	"cobalt ruthenium sulfide" or "cobalt ruthenium sulphide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:28
L6	21	5 and (catalyst or electrocatalyst)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:30
L10	48	9 and cobalt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:31
L9	112	("mixed metal sulfide" or "mixed metal sulphide")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:31
L8	0	("mixed metal sulfide" or "mixed metal sulphide") same cobalt same (ruthenium or ru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:31
L7	0	("mixed metal sulfide" or "mixed metal sulphide") same (co or cobalt) same (ruthenium or ru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:31
L12	2	("6967185").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/18 09:34
L11	11	10 and ruthenium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/18 09:34